

Cathay November 2012

www.cathayradio.org

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Mission: The Cathay Amateur Radio Club is basically an active social club of Ham Radio Operators and their spouses. We support local community requests for HAM emergency communications. Several of us are trained in CPR/ First Aid and are involved with community disaster preparedness.

Monday Night Net Time: 9 PM PST, Frequencies: 146.67MHz -600KHz PL85.4 and 442.70 +5MHz PL 173.8. The repeaters are linked. The CARC Monday night net is the best way to find out the latest club news. All check-ins are welcome.

Message from the President: George Chong, W6BUR

Hello Cathay Amateur Radio Club Members and friends;

There are five items of special interest I wish to call your attention:

- Upcoming CARC Veteran's Day Luncheon
- Featured Technical Article Introduction
- Public Service Announcements – New developments
- Silent Key - CARC member, John Craig (KN6TN)
- Featured Technical Article: New wireless recharging system

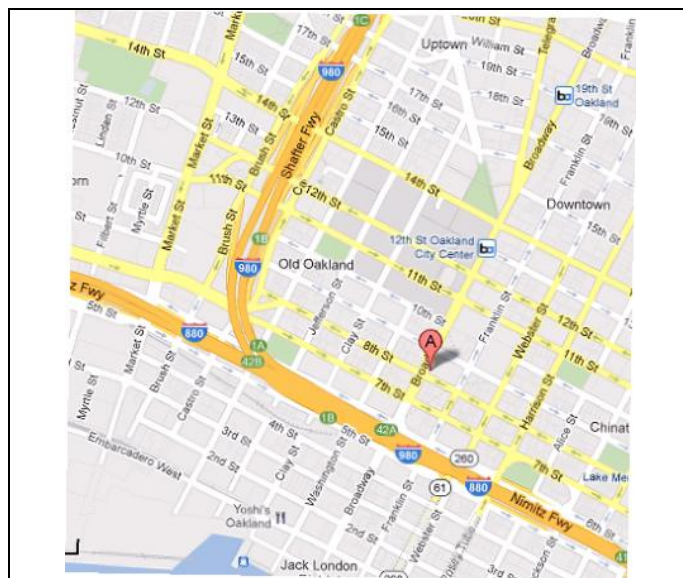
Veteran's Day Luncheon

Please join us for the CARC annual luncheon celebration of Veteran's Day, 11am Sunday November 11, 2012 at the restaurant below:

Buffet Fortuna
800 Broadway Street
Oakland, CA 94607
(510) 839-1688

The restaurant is an all you can eat American, Japanese and Chinese seafood buffet style food. The cost is \$9.99 per person and for seniors it is \$8.99. All soft drinks, coffee and tea are included with the price plus tipping is optional. The dining time is limited to 2 hours, however I doubt it is ever enforced for the luncheon period. I am usually stuffed to the gills within the first hour of eating the delicious food.

Map of the restaurant location is shown below:



Featured Technical Article Introduction

by George W6BUR

October 31, 2012

I cannot tell you how many countless times I have walked around town the entire day with a very heavy and uncomfortable brick in my pocket and/or backpack. I seem to want to subconsciously reach into my pocket to grab that darn brick and to throw it as far away as possible but decide at the last moment to physically restrain myself.

As my dear wife Hetty would say out loud: “George, now you have gone and done it again, it has been too many darn times this week!”

Naturally everybody in earshot would start chuckling at my dilemma and silently think: **“Better you than me....Heh, Heh”**.

Well don't you laugh too hard at me, because we have all carried a useless and heavy brick at one time or another.

The brick I am talking about is when we forget to do the nightly recharge of a portable electronic device and it now has dead battery, otherwise known as a high tech electronic brick!

Now days we carry a whole slew of portable electronic items such as:

- iPhones
- Netbooks/iPads
- iPod
- tape recorder
- keyless car entry units
- electronic wrist watches
- RSA securID tokens
- Pocket digital cameras
- Camcorders,
- GPS units,
- Key chain flashlights,
- Laser pointers

The above is just a partial list of everyday items electronic devices that many of us carry around. These indispensable electronic items help us with our everyday lives but when they are discharged with a dead battery, they become as useful as carrying around a brick.

Well there is a new device forth coming on the not too distant horizon to help us with this recurring and troublesome dead battery issue. Now that I have got your attention and you have stopped your nervous and guilty laughing, go ahead and read the Technical Article section of this month's newsletter to quench your thirst for this golden nugget knowledge.

Public Service Announcements

Bart Lee – K6VK

Attention all HAM, it is MayDay!!

The California Historical Radio Society (CHRS) and its amateur radio station W6CF is caught up in its landlord's bankruptcy (Inner Cities Broadcasting). This forces CHRS to purchase the Berkeley KRE building and property now or lose it.

UPDATE

THE NEWS WE HAVE BEEN WAITING FOR SINCE JUNE IS HERE. CHRS ENJOYS A LONG STANDING RELATIONSHIP WITH ONE OF THE BIDDERS AND POTENTIAL NEW OWNER OF KVTO. CHRS HAS A ROCK SOLID AGREEMENT WITH THIS BIDDER TO PURCHASE KRE IF THE BID PREVAILS. THIS IS THE CLOSEST WE HAVE BEEN TO OWNING KRE. WE WILL GET THE OK TO PURCHASE KRE BY NOVEMBER 9TH OR SOONER. AS SOON AS WE GET THE OK, WE WILL CALL FOR YOU TO FULFILL YOUR PLEDGES.

WE ARE STILL ABOUT \$98,000 SHORT OF OUR GOAL. CHRS MEMBER TOM NELSON WHO WORKED AT KRE IN THE 1940S REALLY WANTS TO SEE CHRS GET KRE AND NOT LOOSE THIS OPPORTUNITY. TOM PLEDGED \$5,000 THEN INCREASED IT TO \$25,000. NOW, TOM HAS OFFERED UP A CHALLENGE, POTENTIALLY WORTH \$100,000. THIS WOULD PUT US OVER THE TOP. HERE IT IS: Tom will pledge another \$25,000 if 3 or more other people will step up and also pledge or increase their pledge by at least \$25,000, making this challenge worth at least \$100,000 or more! LET'S GET THIS DONE NOW!

THESE EVENTS DO NOT MEAN AN END TO OUR FUNDRAISING BY ANY MEANS. WE ARE AWARE THAT SOME OF YOU MAY NOT BE ABLE TO FULFILL YOUR PLEDGES, SO OTHERS MUST STEP AND PLEDGE FOR THE FIRST TIME OR INCREASE YOUR PLEDGES. WE ALSO HAVE INSURANCE, OPERATING COSTS AND FUTURE EXPANSION PLANS FOR KRE TO CONSIDER. PLEASE PLEDGE NOW. WE HAVE AMAZED THOSE OUTSIDE OF CHRS FOR OUR ABILITY TO REALIZE ALMOST ALL OF OUR GOAL IN A VERY SHORT TIME. WE KNOW THAT YOUR SUPPORT AND THE SUPPORT OF OTHER ORGANIZATIONS HAS BEEN TREMENDOUS. WE WILL BE ABLE TO DO THIS, WITH YOUR HELP.

MANY OF YOU HAVE ASKED TO BE MADE AWARE OF WHEN WE ARE GETTING CLOSE TO OUR GOAL SO YOU COULD INCREASE YOUR PLEDGES. NOW IS THAT TIME. THE PUSH IS ON. SO, PLEASE DIG DEEPER AND REMEMBER THE THOUSANDS OF HOURS OF SWEAT THAT YOUR CHRS BROTHERS AND SISTERS HAVE PUT INTO THIS PROJECT. WE KNOW THERE ARE MANY PEOPLE READING THIS WHO HAVE NOT PLEDGED. WE ARE VERY CLOSE. YOUR PLEDGE WILL MAKE A DIFFERENCE. IF YOU HAVE THOUGHT ABOUT MAKING A PLEDGE, DON'T HESITATE. DO IT NOW AND BE PART OF THIS IMPORTANT EFFORT.

TODAY'S UPDATE – October 25th – We started with \$93,000 in our Museum Fund June 1st, and today we have 230 donations and pledges totaling \$651,660! THANK YOU! Our goal is \$750,000+. We only have \$98,340 to go! Holy cow, we have already raised over a half a million dollars! It's downhill from here. We have done so well, please dig deeper and make this happen! We should be able to raise the rest with your help and support.

REMEMBER – You can pledge now, but you need not send any funds until we need them. [CLICK HERE TO PLEDGE.](#)

SUPER DONORS – The list keeps growing. Be part of it! EVERY pledge and donation means a great deal to CHRS. But it is worth noting several pledges / donations that are really helping us to reach our goal:

Jack Bethards	– \$5,000	Bert Buss	– \$5,000
Elmo & Kim Giovanetti	– \$5,000	Chip Lim	– \$5,000
Tom Nelson	– \$25,000	Robert & Reina Swart	– \$5,000
Judy Mears & Bart Lee	– \$10,000	Norm Howard Lehfeldt	– \$15,000
Larry & Joan Drees	– \$16,600	Tom & Julie Bonomo	– \$25,000
George Patterson	– \$25,000	Gilles Vrignaud	– \$25,000
Norman Leal	– \$75,000	Philip Monego	– \$100,000
Scott Robinson	– \$100,000	John Staples	– \$100,000

Organization Donors of note:

The CHRS Central Valley Chapter – \$3750 The Alabama Historical Radio Society – \$1000
The SF Bay Area SBE Chapter 40 – \$1000 The Sacramento SBE Chapter 43 – \$1000
The Mt. Diablo Amateur Radio Club – \$1000 The Delaware Valley Historic Radio Club – \$1000
The Art Deco Society of California – \$500 The Iowa Antique Radio Club and Historical Society – \$500

We are grateful to these fine organizations for their support! And we need more support...

Our \$25,000 Challenge Pledge from Gilles Vrignaud towards our KRE building purchase fund is complete! Thank you Gilles and all who pledged during this challenge. The challenge and matching pledges were worth \$50,000! – Who will step it up and offer a \$50,000 Challenge next?

That is potentially worth \$100,000 and puts us very close to our goal. So, if you have not pledged, do it now! Many people have recently increased the size of their pledges. You can do the same and we would really appreciate it.

All donations to the CHRS are tax deductible and will be for the good cause of preserving the KRE building.

KRE 2012 - after CHRS Restoration



For additional information see: <http://www.californiahistoricalradio.com/>

Tony – KR6EG

ACS Info

The Auxiliary Communications Service (ACS) was organized by the San Francisco Office of Emergency Services (OES) following the 1989 Loma Prieta Earthquake to support the communications needs of the City and County of San Francisco when responding to emergencies and special events.

The Auxiliary Communications Service holds General Meetings on the third Tuesday of each month at the San Francisco Emergency Operations Center, 1011 Turk Street (between Gough Street and Laguna Street), from 1900 hours to 2100 hours local time. All interested persons are welcome to attend.

The ACS Net

The ACS Net begins at 1930 hours (7:30 p.m.) local time each Thursday evening, on the WA6GG repeater at 442.050 MHz, positive offset, tone 127.3 Hz. The purpose of this net is to practice Net Control skills, practice checking in with deployment status in a formal net, and to share information regarding upcoming ACS events. Guests are welcome to check in. ACS Members should perform Net Control duty on a regular basis.

On the second Thursday of each month, the net will be conducted on the output frequency of the WA6GG repeater, 442.050 MHz no offset, tone 127.3 Hz, simplex.

For more information, please attend an ACS meeting, check in on a net, or call 415-558-2717.

Upcoming events:

Saturday 10am-2pm November 10, 2012 (Net Control Workshop)

Tuesday 7pm, November 20, 2012

Tuesday 7pm, December 18, 2012

Gilbert – KJ6HKD

Free Disaster Preparedness Classes In Oakland:

<http://www.oaklandnet.com/fire/core/index2.html>

CORE is a free training program for individuals, neighborhood groups and community-based organizations in Oakland. The underlying premise is that a major disaster will overwhelm first responders, leaving many citizens on their own for the first 72 hours or longer after the emergency.

If you have questions about the recertification process, you may contact the CORE Coordinator at 510-238-6351 or core@oaklandnet.com.

Free Disaster Preparedness Classes In San Francisco – SFFD NERT Classes Taught by San Francisco Fire Department.

RSVP to sffdnert@sfgov.org or call 415-970-2024 to register. Visit www.sfgov.org/sffdnert to see more about the training, other locations, and register on line.

Note from CARC Editor: Many of our CARC members are SFFD NERT trained and for those folks here is the latest breaking news --- SFFD NERT Program is partnering up with the San Francisco Police Department new ALERT program.

The San Francisco Police Department has developed a volunteer citizen disaster preparedness program. The Auxiliary Law Enforcement Response Team (ALERT) will recruit, train, credential, and uniform volunteers to assist law enforcement in the event of a natural or manmade disaster. Volunteers must be at least 16 years of age and live, work, or attend high school in San Francisco.

The ALERT program is modeled after and works in partnership with the San Francisco Fire Department's Neighborhood Emergency Response Team (NERT). The ALERT program will train members of the public to assist law enforcement in essential tasks after a major disaster. Such tasks may include: traffic control, foot patrol of business and residential areas, reporting criminal activity, working in partnership with NERT volunteers to provide well-being checks, assisting with medical aid, at district police stations, or with Animal Care and Control in the handling of pets, securing resource locations, and delivering logistical supplies.

In addition, ALERT members will direct individuals to mass casualty and shelter locations, assist at reunification centers, provide support at schools for reunification, and participate in Operation Return.

Volunteers will receive training from both the San Francisco Fire Department and the San Francisco Police Department. ALERT volunteers will first complete the Fire Department's Neighborhood Emergency Response Team (NERT) training (www.sfgov.org/sfnert), and then graduate into an eight hour Police Department course specifically designed for ALERT team members.

The ALERT program will have Basic, Senior, and Supervisory level positions. Based upon the volunteer's level of additional training, he/she may wish to obtain Senior or Supervisory level status.

All ALERT volunteers will be subject to a basic background check given to all Police Department volunteers. After the completion of training and having met any and all requirements, the ALERT volunteer will be given identifying credentials reflecting their level of training and role within the ALERT program.

An informational meeting will be held at the San Francisco Police Academy, located at 350 Amber Drive, Room 100, on **Thursday, November 15th, at 7pm.**

All members of the public are welcome. Interested individuals will have their questions about the program answered at the meeting. For a comprehensive overview of the ALERT program, please visit our webpage at www.sanfranciscopolice.org/alert

Additional information can also be obtained by emailing sfpdalert@sfgov.org, or by calling Sergeant Mark Hernandez (SFPD, Ret.), SFPD ALERT Program Coordinator, at (415) 832-8419.

Silent Key Memorial – John C. Craig (KN6TN)

In memory of the passing of long time distinguished CARC member John Craig (KN6TN), January 23, 1920 – September 26, 2012.

Many years ago CARC member Bill Tom (KN6QD) introduced John to the Cathay Amateur Radio Club. John was an avid DXer who actively participated in our CARC social events.

Those CARC members that met John and his wife, Elaine quickly noticed they were both very gracious and a handsome couple. John was always quite the dapper dresser and was never seen without wearing a tie.

From his unassuming nature and intense interest in HAM radio, one would never know about John's high position on the UCSF Pharmaceutical staff.

Below is John's obituary that appeared in the San Francisco Chronicle:

<http://www.legacy.com/obituaries/sfgate/obituary.aspx?n=john-craig&pid=160384728#>



John Cymerman Craig
Jan. 23, 1920 - Sept. 26, 2012

John C. Craig, an Emeritus Professor of Chemistry and Pharmaceutical Chemistry at UCSF, died on Sept. 26th of heart failure. John's career began at the University of London where he received Bachelor of Science degrees in both Physics and Chemistry (with first class Honors) followed by a PhD in Organic Chemistry from Imperial College, London.

From 1942 to 1945 John was a Gas Identification Officer, for which he was awarded the Defence Medal.

He taught at London University's Charing Cross Hospital in Organic Chemistry, was Senior Lecturer in Organic Chemistry at the University of Sydney (St. Paul's College) from 1948 to 1961, and also received the D.Sc. degree from Sydney University in 1962. In 1958 he became Visiting Scientist at NIH and Walter Reed for research in anti-radiation drugs.

In 1960 he began his 30-year career at UCSF, where he was Professor of Chemistry from 1963-1971, Department of Pharmaceutical Chemistry Chairman from 1963-71 and Associate Dean of Research from 1971-1992. He was selected by the UCSF Academic

Senate as the Annual UCSF Faculty Research Lecturer in 1974, and received the first Academic Senate UCSF Service Award in 1993. For the last 21 years John was a member of the UCSF board of the Faculty Emeriti Association and served as Chairman and Historian of the state-wide CUCEA.

His research produced over 250 publications in Organic and Medicinal Chemistry and focused on chemical structure and biological activity, including work on the synthesis of vitamin A, chemotherapy of tuberculosis and malaria, and development of stable isotope tracer technology for diagnostic tests for genetic diseases in infants and newborns (to replace the use of radioactive tracers).

John was awarded the Research Award in Natural Products from the American Pharmaceutical Association Foundation in 1967 and the Research Achievement Award in Pharmaceutical Analysis from the American Pharmaceutical Scientists in 1988.

John was active in amateur radio and a member of the SF Radio Club and the Cathay Radio Club. He participated in the UCSF Emergency Network.

He was an avid collector of early English cookery books, and in 1988 the Bancroft Library, UCB mounted an exhibit of 100 volumes of his collection titled "Four Hundred Years of English Diet and Cookery: 1541-1939". He was a member of the Bancroft Council and edited "The Cookery Manuscript of Lillie Hitchcock Coit, 1870-1890, San Francisco" which the Bancroft published in 1998.

He is survived by his wife Elaine, his daughter, Elizabeth (Eric) and grandchildren Benjamin and Katherine of Park City, Utah; his son, Anthony (Ruth) of Dorset, UK and grandsons Thomas (Kelly) of Perth, Australia and Matthew (Ruth) of Devon, UK and four great grandchildren.

Friends and colleagues are invited to a Memorial Celebration of John's life at UCSF on 29th October, 4-5 p.m. in the Lange Room of the Kalmanovitz Library, 530 Parnassus Avenue, 5th Floor, Room 522. RSVP to dean@pharmacy.ucsf.edu

A private interment was held on Oct. 6th at Mt. Tamalpais Cemetery.

In lieu of flowers: The UCSF Faculty Associates Student Scholarship Fund, c/o Mrs. Robert Hickey, Box 216, Ross, CA 94957.

Published in San Francisco Chronicle on October 14, 2012

Featured Tech Article



New wireless recharging system due this year

New York Times

Sunday, April 1, 2012

<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2012/04/01/MNN01NIOIC.DTL>

Think how convenient it would be if you could recharge electronic devices without ever having to plug them in - or even take them out of your briefcase.

Instead, you could leave your briefcase, tote bag or backpack on a counter in the living room at home, and the smart phones and tablets within could see to their own recharging. And the robotic vacuum cleaner in the corner of the room could do likewise.

The WiTricity Corp. in Watertown, Mass., has developed a novel technology to handle just these sorts of wireless energy transfers. The company makes and licenses a system of magnetic coils and companion electronics that turn wireless charging into a built-in function of smart phones and other devices.

Eric Giler, the CEO, said consumer electronics using systems from WiTricity, which is short for wireless electricity, would appear this year. The systems will not be sold directly to consumers, but to equipment manufacturers who will embed the magnetic coils in phones, laptops and other products and systems.

WiTricity has signed a technology transfer and licensing agreement with MediaTek, a semiconductor company in Taiwan, to collaborate on systems for wireless charging of mobile handsets, tablet computers, game controllers and other devices, Giler said.

WiTricity is also developing technology for wireless charging of electric vehicles and, later, for use in implanted medical devices like heart pumps, said Katie Hall, its chief technology officer.

The technology is based on magnetic induction - the process used to recharge electric toothbrushes. In the toothbrush, the base has a magnetic coil that generates a magnetic field. A second coil in the toothbrush captures some of that field, inducing an electric current.

But electric toothbrushes transfer power only from the primary coil to the secondary one at very close range. Move the brush a short distance from the base, and it won't charge.

WiTricity extends the range of induction, wirelessly charging objects that are three or four feet away - sometimes farther - from the primary source of electricity, Giler said.

"This is a better form of induction," said Jason W. Fleischer, an associate professor of electrical engineering at Princeton who is familiar with the technology. Fleischer, whose research is in electromagnetics and optics, has no financial connection to the company.

"Direct contact of a device to the counter isn't necessary," he said, "And you don't have to place your phone or tablet with a specific orientation on the counter for them to recharge."

WiTricity's technology is timely, said A. Douglas Stone, chairman of the department of applied physics at Yale, and not only for the billions of people who use personal electronic devices.

Electric [cars](#) might be more appealing to some consumers if they could be charged wirelessly, rather than by attaching cables. And, soon, the technology could benefit rechargeable electronic medical implants, like pacemakers and neurostimulation systems for pain management.

For all these products, Stone said, induction that works at distances of a meter or two - about three to six feet - might be useful. "The difference in what you can do when you charge at a very short range - essentially contact - and when you can do it at a meter or two, is huge," he said.

This article appeared on page **A - 18** of the San Francisco Chronicle